

2017 Oklahoma Education and Industry Partnership (OEIP)

Professional Development Hypothesis

IF Tomorrow's Workforce is in today's classroom





 Then Education and Industry must partner on a Professional Development Program for Educators



Create the Oklahoma workforce of tomorrow by partnering with educators, industry members and private and public agencies.

Desired Outcome

- Provide relevance and rigor to STEM workforce development
- Expose STEM educators to high value careers in Oklahoma
- Connect teachers to industry members willing to come to classrooms as speakers and to host student tours in their industries
- Help educators motivate students to develop and maintain a career pathway
- Provide professional development for Oklahoma STEM educators

The 2017 OEIP

- 2017 OEIP highlighted eight of the major Industrial Sectors of Oklahoma:
 - Aerospace/Defense
 - Energy
 - Agriculture
 - Transportation/Distribution
 - Manufacturing
 - Information Technology
 - Healthcare/Bioscience
 - Construction/Architecture

Speakers

- James Cunningham, Site Executive, Ratheon
- Dr. John MacArthur, President, Cameron University
- Major General Brian McKiernan, Ft. Sill Commanding General
- Angela Monson, Assistant Provost, OU Medical Center
- Bailey Siegfried, Vice President, NORDAM
- Gary Stanislawski , State Senator
- Michael Carolina, Executive Director, OCAST
- Dr. Melchor.J.Antunano , Executive Director, CAMI
- Stephanie Cameron, OK Manufacturing Alliance
- Mike Hoehner, Express Professionals

Workshops

- OERB
- Ag in the Classroom
- Newspapers in Education
- Pitsco Scientific Equipment
- National Space Foundation
- Noble Foundation
- Express Professionals

Attendee Takeaways

- 228 5-12 Grade STEM Teachers attended
- Each attendee received:
 - All meals and hotel accommodations (112 Attendees used hotel accommodations)
 - A \$100 stipend
 - A \$200 Pitsco gilt certificate
- 35 \$750 Pitsco grants awarded
- OERB and Ag in the Classroom Scientific Equipment
- Over \$100,000 in scientific equipment when to Oklahoma classrooms

Attendee Comments

- I have always felt a disconnect in my 24 years teaching in the district is in the connection between school and career. OEIP is the bridge for that gap.
- It was a non-stop stream of information, ideas, and creativity. My pen just couldn't write fast enough.
- It's almost as if we've been trying to put this education puzzle together for a long time, and OEIP just showed us the front of the box. It makes so much sense now.

2017 OEIP

















2017 OEIP





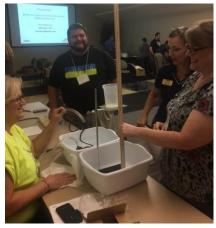












Pawnee High School





Winglets-Why?

- True STEM Program
 - Science of Flight
 - Technology of Winglets on Airplanes
 - Engineering, Design, Testing and Analysis of
 - Winglet
 - Solving a Problem Using Math







2018 OEIP

- Same format with three or more regional events in June and July
- Employer panel at all events
- Set more realistic goal for attendance
- Require deposit to register
- Start planning in Jan 2018